## Colors

| #4D16C5 | #1E0655 | #4D19AE | #6B26D6 | #A38AE5 | #F5F2FC |
|---|---|---|---|---|---|
| Brand | Text Strong | Text Weak | Stroke Strong | Stroke Weak | Fill |

## Components

MENU VIEW READ HIRE ME ABOUT PROJECTS ARTICLES

## Typography

| Type Scale 1.20 | Size | Line Height |
|---|---|---|
| **Heading 1** | 40px | 48px |
| **Heading 2** | 32px | 40px |
| **Heading 3** | 24px | 32px |
| **Heading 4** | 20px | 28px |
| Small | 16px | 24px |
| Tiny | 14px | 20px |

Hi! I am Dagmawi Kassa, a Software Engineering student at AAU.

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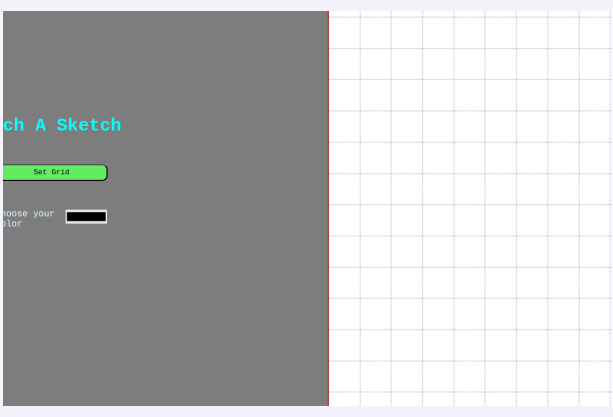


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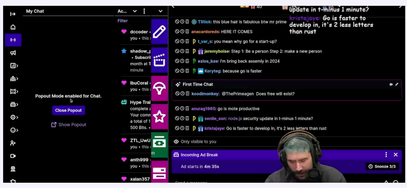
| **Programming** | Being a Software Engineering student, I enjoy creating applications, experimenting with new tools, and contributing to open source. The process of conceptualizing an idea, writing efficient code, and seeing it transform into a functional application is incredibly rewarding. I am constantly exploring and learning about the latest technologies and frameworks, which keeps my skills sharp and up-to-date. Experimenting with new tools allows me to innovate and improve the efficiency of my coding practices, as well as discover new ways to solve problems..<br>  <br><br>Watching these videos not only helps me grasp complex topics but also inspires me to push the boundaries of my own capabilities. The combination of hands-on application development, continuous learning, and active participation in the open source community makes every day as a Software Engineering student both exciting and fulfilling. |
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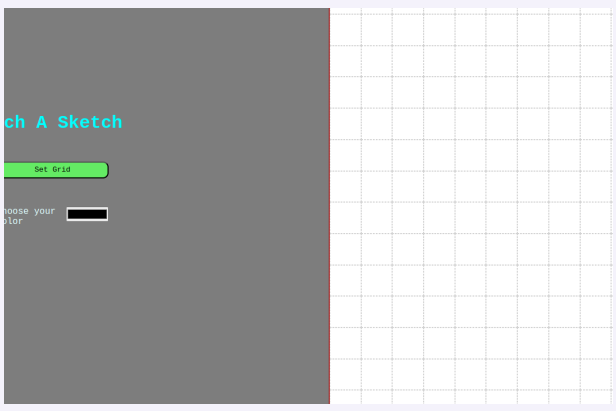


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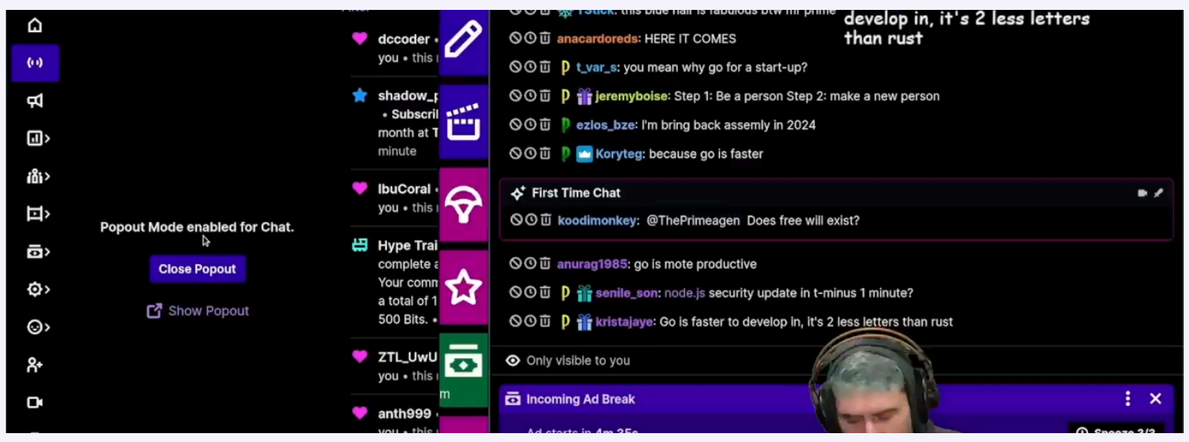


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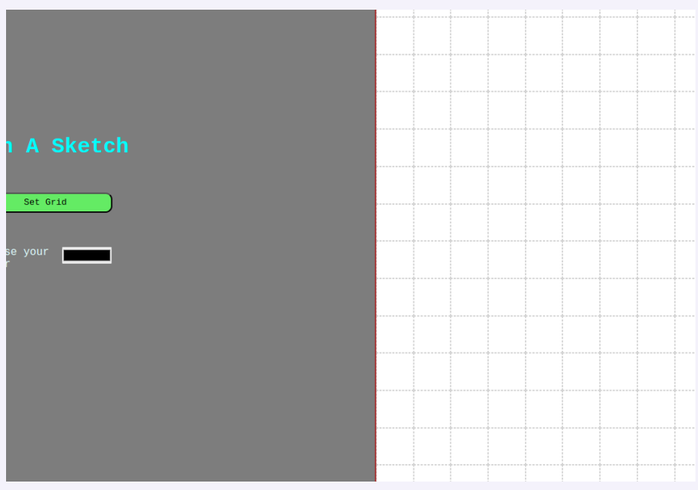


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- A bit about me
- Education
- Hobbies

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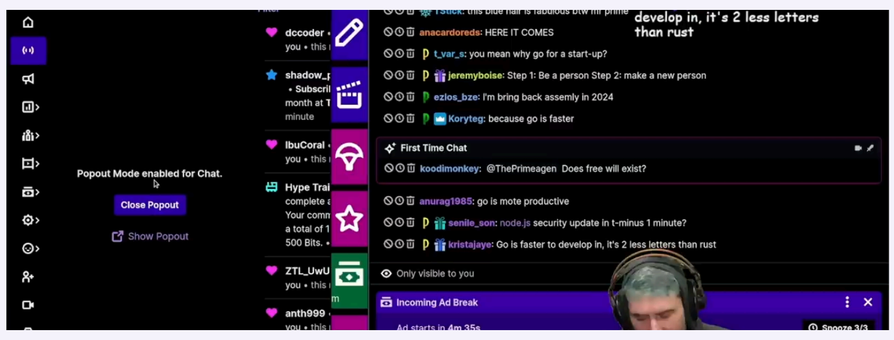
| **Programming** | Being a Software Engineering student, I enjoy creating applications, experimenting with new tools, and contributing to open source. The process of conceptualizing an idea, writing efficient code, and seeing it transform into a functional application is incredibly rewarding. I am constantly exploring and learning about the latest technologies and frameworks, which keeps my skills sharp and up-to-date. Experimenting with new tools allows me to innovate and improve the efficiency of my coding practices, as well as discover new ways to solve problems..<br>  <br><br>Watching these videos not only helps me grasp complex topics but also inspires me to push the boundaries of my own capabilities. The combination of hands-on application development, continuous learning, and active participation in the open source community makes every day as a Software Engineering student both exciting and fulfilling. |
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# PROJECTS

```
 * @argv: monty file location
 * Return: 0 on success
 */
int main(int argc, char *argv[])
{
        char *content;
        FILE *file;
        size_t size = 0;
        ssize_t read_line = 1;
        stack_t *stack = NULL;
        unsigned int counter = 0;

        if (argc != 2)
        {
                fprintf(stderr, "USAGE: monty file\n");
                exit(EXIT_FAILURE);
        }
        file = fopen(argv[1], "r");
        bus.file = file;
        if (!file)
```

Monty Scripting Language

VIEW

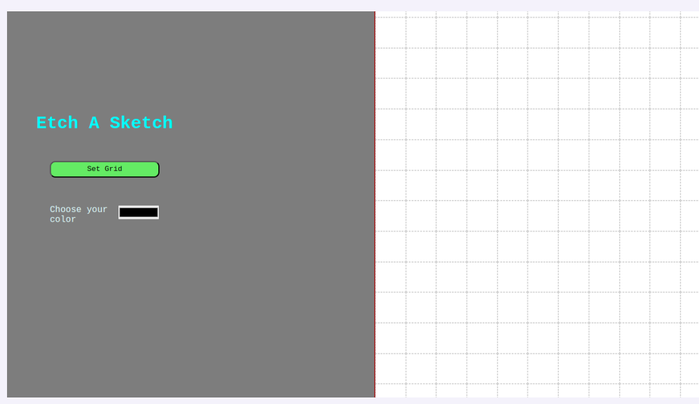
```
/**
 * sig_handler - Prints a new prompt upon a signal.
 * @sig: The signal.
 */
void sig_handler(int sig)
{
        char *new_prompt = "\n$ ";

        (void)sig;
        signal(SIGINT, sig_handler);
        write(STDIN_FILENO, new_prompt, 3);
}

/**
 * execute - Executes a command in a child process.
 * @args: An array of arguments.
```

Simple Shell

VIEW




Etch A Sketch

VIEW

Calculator Web App

VIEW

```
    void addToDo(Task task) {
        Node newNode = new Node(task);

        if (head == null) {
            head = newNode;
        }
        else {
            newNode.next = head;
            head = newNode;
        }
    }

    void markToDoAsCompleted(String title) {
        Node current = head;
```

ToDo List App

VIEW

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LanguageKey FeaturesTypical Use CasesPythonReadability, extensive librariesData analysis, web development, automationJavaScriptInteractivity, event-drivenWeb development (front-end and back-end)JavaPlatform independence, object-orientedEnterprise applications, Android appsC++Performance, low-level system accessSystem/software development, game development

| | | |
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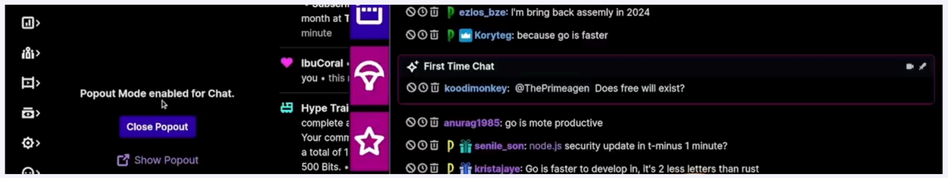


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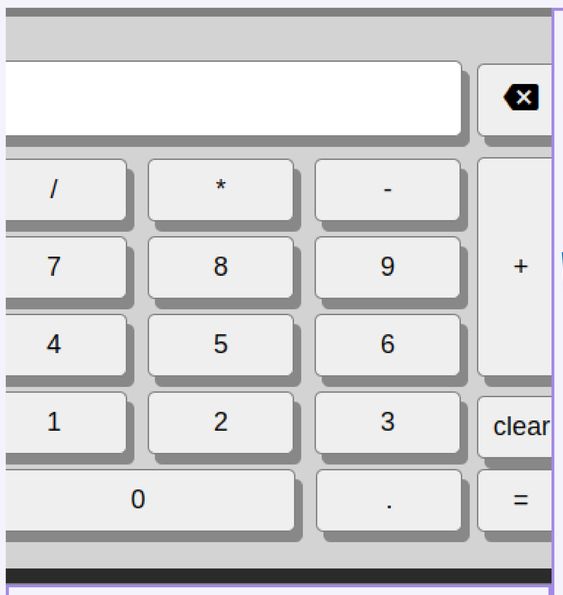
```c
lude "monty.h"
t bus = {NULL, NULL, NULL, 0};

in - monty code interpreter
rgc: number of arguments
rgv: monty file location
turn: 0 on success

main(int argc, char *argv[])

    char *content;
    FILE *file;
    size_t size = 0;
    ssize_t read_line = 1;
    stack_t *stack = NULL;
    unsigned int counter = 0;

    if (argc != 2)
    {
            fprintf(stderr, "USAGE: monty file\n");
            exit(EXIT_FAILURE);
    }
    file = fopen(argv[1], "r");
    bus.file = file;
    if (!file)
    {
            fprintf(stderr, "Error: Can't open file %s\n", argv[1]);
            exit(EXIT_FAILURE);
    }
    while (read_line > 0)
```

VIEW

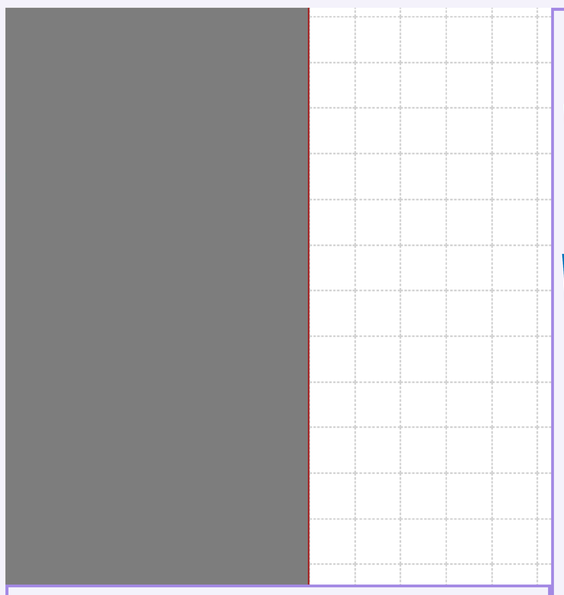
```c
ude "shell.h"

sig_handler(int sig);
execute(char **args, char **front);


g_handler - Prints a new prompt upon a signal.
sig: The signal.

sig_handler(int sig)

   char *new_prompt = "\n$ ";

   (void)sig;
   signal(SIGINT, sig_handler);
   write(STDIN_FILENO, new_prompt, 3);



xecute - Executes a command in a child process.
rgs: An array of arguments.
front: A double pointer to the beginning of args.

turn: If an error occurs - a corresponding error code.
      O/w - The exit value of the last executed command.
```

VIEW




HTML CSS JS

VIEW



HTML CSS JS

VIEW

```java
Code  Blame                                   Raw
package com.itsc.toDoListApp;
public class toDoList {
    private Node head;

    void addToDo(Task task) {
        Node newNode = new Node(task);

        if (head == null) {
            head = newNode;
        }
        else {
            newNode.next = head;
            head = newNode;
        }
    }

    void markToDoAsCompleted(String title) {
        Node current = head;

        while (current != null) {
            if (current.task.getTitle().equals(title)) {
                current.task.markCompleted();
                return;
            }
```

VIEW

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## LOCATION

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